

High Definition & Easy Graphical User Interface

16Ch H.264 Real-time DVR





16CH H.264 Digital Video Recorder

SRD-1670/1670D/1670DC

- 16ch 4CIF real-time DVR
- Video (H.264) / Audio (ADPCM)
- Up to 480 (NTSC) / 400 (PAL)ips recording rate
- Up to 16ch audio inputs and 1ch audio outputs
- Combined BNC and VGA/HDMI video output for main display
- SRD-1670: Max 6 internal HDD (HDD x 6)
 SRD-1670D: Max 5 internal HDD (HDD x 5)
- HDD & DVD SATA interface, DDNS
- Built-in web viewer, DVD-RW (SRD-1670D)
- PTZ control via Coaxial cable (SRD-1670DC)



16CH H.264 Digital Video Recorder

RD-1670/1670D/1670DC

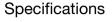








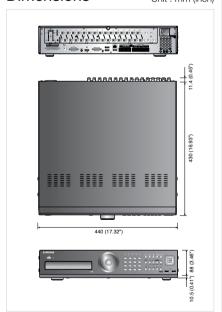






Overwrite Modes Pre-alarm Post-alarm Post-alarm Vigo 15 (5, 10, 20, 30sec.) Post-alarm Vigo 15 (5, 10, 20, 30sec.) Post-alarm Vigo 15 (5, 10, 20, 30sec.) Vigo 15 (5, 10,			SRD-1670	SRD-1670D	SRD-1670DC	
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Multi Screen Display 1/4 / 6 / 8 / 9 / 13 / 16 / PIP	Live					
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Compression H.264			Linux			
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NTSC: 15 to 4 480(se36352 x 288		Record Rate	NTSC : Up to 480ips@704 x 240 / PAL : Up to 400ips@704 x 288			
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Overwrite Modes Pre-alarm Up to 30sec, (5, 10, 20, 30sec.) Post-alarm Up to 30sec, (5, 10, 20, 30sec.) Post-alarm Up to 30sec, (5, 10, 20, 30sec.) Post-alarm Up to 50sec, (5, 10, 20, 30sec.) Post-alarm Up to 50sec, (5, 10, 20, 30sec.) Post-alarm Up to 50sec, (5, 10, 20, 30sec.) Post-alarm Up to 54sec Post-alarm Up to 54mc, (5, 10, 20, 30sec.) Post-alarm Up to 54mc, (5, 10, 20, 30sec.) Post-alarm Up to 54mc, (5, 10, 20, 30sec.) Post-alarm Up to 15 Mtps, Unlimited (4M) / 271.5 / 1 Mtps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps Post-alarm Up to 15 Mtps, Unlimited (4M) / 271.5 / 1 Mtps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps Post-alarm Up to 5 Mtps, Unlimited (4M) / 271.5 / 1 Mtps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps Post-alarm Up to 5 Mtps, Unlimited (4M) / 271.5 / 1 Mtps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps Post-alarm Up to 5 Mtps, Unlimited (4M) / 271.5 / 1 Mtps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps Post-alarm Up to 5 Mtps, Unlimited (4M) / 271.5 / 1 Mtps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps Post-alarm Up to 5 Mtps, Unlimited (4M) / 271.5 / 1 Mtps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps Post-alarm Up to 5 Mtps, Unlimited (4M) / 271.5 / 1 Mtps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps Post-alarm Up to 5 Mtps, Unlimited (4M) / 271.5 / 1 Mtps, Unlimited (Mode				
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Post-alarm						
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Playback	Search &					
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Network Multi Stream Max. Remote Users Protocol Support Monitoring Internal HDD External HDD Ex	Network				·	
Max. Remote Users Search 3 / Live unicast 10 / Live multicast 20 Protocol Support TCP/IP, DHCP, PPDeS, MTP, NTP, HTTP, DDNS, RTP, RTSP Monitoring Net-Livewer, Smart viewer, Web viewer Up to 6 SATA HDDs Up to 2 Sepansion bay (up to 4 HDD each) Storage Storage Steamal HDD Up to 6 SATA HDDs Up to 2 Sepansion bay (up to 4 HDD each) Storage St		Multi Stream				
Monitoring Internal HDD		Max. Remote Users		ticast 20		
Monitoring Internal HDD		Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HT	TP, DDNS, RTP, RTSP		
Storage						
Storage DVD Writer (Back up) USB (Back up) Sile Format (Back up) AVI, MDB (DVR play back), EXE (Include player) Admin, 10 Group , 20 User per 1 Group, User can be assigned authority for function Usermark Vatermark Vate	Storage					
USB (Back up) File Format (Back up) AVI, MDB (DVR play back), EXE (Include player) Password Protection Data Authentication NTERFACE VGA Analog RGB 800 x 600, 1024 x 768, 1280 x 1024 resolution HDMI 480p / 720p / 1080p resolution Main Composite Spot Composite Loop Outputs 16 Inputs 16 Line in (Built in 4ch, Option : audio extension cable) Output 1 Line Compression Sampling Rate Inputs Input Voltage		External HDD	Up to 2 expansion bay (up to 4 HDD e	each)		
File Format (Back up) Password Protection Password Protection Password Protection Data Authentication Vatermark		DVD Writer (Back up)				
Password Protection Data Authentication Admin, 10 Group, 20 User per 1 Group, User can be assigned authority for function Watermark		USB (Back up)	3 USB Ports			
NTERFACE VGA		File Format (Back up)	AVI, MDB (DVR play back), EXE (Include	de player)		
INTERFACE VGA Analog RG8 800 x 600, 1024 x 768, 1280 x 1024 resolution Monitors Main Composite BNC, 1 Vp-p, 75 ohm Spot Composite 1 BNC, 1 Vp-p, 75 ohm Inputs 16 Line in (Built in 4ch, Option : audio extension cable) Output 1 Line Compression ADPCM Sampling Rate 16KHz Inputs Terminal 16 inputs, NO/NC Alarm Outputs Terminal 14 relay outputs, NO/NC Remote Notification Notification via e-mail Ethernet 1 RJ-45 10/100/1000 Base-T Serial Interface PTZ Control Interface PTZ Keyboard RS-485 PTZ Keyboard RS-485 Connections USB USB 2.0, 3 ports eSATA 2 External SATA ports Application Support Mouse, Remote controller Application Support Mouse, Remote controller Samsung-E/ Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/VICON *SRD-1670DC: PTZ Control via Coaxial Cable (Samsung CCVC, Coaxtron) Mechanical Weight (2x Hard Disks) Approx. 7.5 Kg (16.53 lb) Rack Mount Kit 2ea English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian, Turkish,		Password Protection	1 Admin, 10 Group, 20 User per 1 G	roup, User can be assigned authority f	or function	
VGA	Security	Data Authentication	Watermark			
Monitors Main Composite BNC, 1 Vp-p, 75 ohm Spot Composite BNC, 1 Vp-p, 75 ohm Support multi screen and camera title Loop Outputs 16 Inputs 16 Line in (Built in 4ch, Option : audio extension cable) Output Compression ADPCM Sampling Rate 16KHz Inputs Terminal 16 inputs, NO/NC Terminal 16 inputs, NO/NC Alarm Output Terminal 16 inputs, NO/NC Remote Notification Notification via e-mail Ethernet 1 RJ-45 10/100/1000 Base-T Serial Interface RS-232 PTZ Control Interface RS-485 USB USB 2.0, 3 ports eSATA 2 External SATA ports Application Support Application Support Samsung-E/ Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/VICON * SRD-1670DC : PTZ Control via Coaxial Cable (Samsung CCVC, Coaxtron) Coaxial Tuberlate Power Consumption Max, 55W (With 1x HDD) / Max. 65W (With 2x HDD) Operating Humidity Dimensions (WxHxD) Approx. 7.5kg (16.53 lb) Rack Mount Kit Zea English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian, Turkish, Lappuage Lappua	INTERFACE					
Monitors	Monitors	VGA	Analog RGB 800 x 600, 1024 x 768,	1280 x 1024 resolution		
Spot Composite Loop Outputs 16 Loop Outputs 16 Line in (Built in 4ch, Option : audio extension cable)		HDMI	480p / 720p / 1080p resolution			
Loop Outputs 16 Inputs 16 Line in (Built in 4ch, Option : audio extension cable) Output 1 Line Compression ADPCM Sampling Rate 16KHz Inputs Terminal 16 inputs, NO/NC Alarm Outputs Terminal 16 inputs, NO/NC Remote Notification Notification via e-mail Ethernet 1 RJ-45 10/100/1000 Base-T Serial Interface RS-232 PTZ Control Interface RS-485 PTZ Keyboard RS-485 Connections USB USB 2.0, 3 ports eSATA 2 External SATA ports Application Support Mouse, Remote controller Protocol support Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/VICON * SRD-1670DC : PTZ Control via Coaxial Cable (Samsung CCVC, Coaxtron) Mechanical Input Voltage Power Consumption Operating Humidity Dimensions (WxHxD) 440 x 8 8 x 430mm (17.32" x 3.46" x 16.93") Mechanical Rack Mount Kit 2ea English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian, Turkish,		Main Composite	BNC, 1 Vp-p, 75 ohm			
Audio Au				ti screen and camera title		
Audio Output						
Adurt Compression ADPCM Sampling Rate 16KHz Inputs Terminal 16 inputs, NO/NC Alarm Outputs Terminal 4 relay outputs, NO/NC Remote Notification Notification via e-mail Ethernet 1 RJ-45 10/100/1000 Base-T Serial Interface RS-232 PTZ Control Interface RS-485 PTZ Keyboard RS-485 Connections USB USB 2.0, 3 ports eSATA 2 External SATA ports Application Support Mouse, Remote controller Protocol support Samsung-E/ Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/VICON * SRD-1670DC: PTZ Control via Coaxial Cable (Samsung CCVC, Coaxtron) GENERAL Electrical Power Consumption Max. 55W (With 1x HDD) / Max. 65W (With 2x HDD) Poperating Temperature +0°C ~ +40°C (+32°F ~ +104°F) Operating Temperature Operating Humidity 20% ~ 85%RH Dimensions (WxHXD) 440 x 88 x 430mm (17.32" x 3.46" x 16.93") Mechanical Meight (2x Hard Disks) Approx. 7.5Kg (16.53 lb) Rack Mount Kit 2ea English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian, Turkish,	Audio			extension cable)		
Compression ADPCM Sampling Rate 16KHz Inputs Terminal 16 inputs, NO/NC Outputs Terminal 4 relay outputs, NO/NC Remote Notification Notification via e-mail Ethernet 1						
Input Inpu						
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Remote Notification Notification via e-mail	Alarm					
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Serial Interface						
PTZ Control Interface	Connections					
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eSATA						
Application Support Protocol support Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/VICON SRD-1670DC: PTZ Control via Coaxial Cable (Samsung CCVC, Coaxtron) Input Voltage						
Protocol support Samsung-E/ Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/VICON * SRD-1670DC: PTZ Control via Coaxial Cable (Samsung CCVC, Coaxtron)						
Approx. 7.5kg (16.53 lb)		Application Support				
Control via Coaxial Cable (Samsung CCVC, Coaxifori) Coaxial Cable (S		Protocol support			ND/ ERNA/ KALATEL/ VCL TP/VICON	
Electrical Input Voltage Power Consumption 100 ~ 240V AC ±10%, 50/60Hz, Auto ranging Environmental Environmental Environmental Renormation Departing Temperature Operating Humidity 20% ~ 85%RH Dimensions (WxHxD) 440 x 88 x 430mm (17.32" x 3.46" x 16.93") Mechanical Renormation Renormatio	OFNEDAL		* SRD-1670DC : PTZ Control via Coa	xial Cable (Samsung CCVC, Coaxtron)		
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Diperating Humidity Dimensions (WxHxD) Mechanical Weight (2x Hard Disks) Rack Mount Kit Language English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian, Turkish,				(WIUI ZX HDD)		
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Dimensions Unit: mm (inch)





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